

LAMINATE TYPE DIELECTRIC DEVICE, A PRODUCTION METHOD  
AND AN ELECTRODE PASTE MATERIAL

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ABSTRACT OF THE DISCLOSURE

10 This invention relates to a laminate type dielectric  
device capable of sufficiently bonding an electrode  
material such as Cu to a ceramic material by using an  
economical base metal material such as Cu, and fully  
exploiting the characteristics of a dielectric ceramic  
layer, a production method thereof, and an electrode  
15 paste material.

In a laminate type dielectric device 1 formed by  
alternately laminating dielectric ceramic layers 11 and  
electrode layers 2 and integrally baking the laminate  
product, the electrode layer 2 is mainly made of an  
20 electrically conductive base metal material having  
greater standard Gibbs free energy for the formation of a  
metal oxide at a baking temperature than that of the  
ceramic material constituting the dielectric ceramic  
layer 11. Segregation of the materials inclusive of the  
25 electrically conductive base metal material does not  
occur at portions sandwiched between adjacent positive  
and negative electrode layers among the dielectric  
ceramic layer 11.